

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-12. (Canceled.)

13. (Currently Amended) A method ~~in the control of the~~ for controlling quality or ~~the a~~ condition of a fibre web ~~on the basis of~~ based on optical imaging diagnostics, ~~wherein~~ comprising:

monitoring the fibre web under examination and/or ~~means relating to the~~ processing a device that processes ~~of the fibre web, such as, for example, wires, felts, rolls, or~~ reels, are monitored in the a running direction of the fibre web with several optical imaging measuring devices placed in successive measurement positions, and

calibrating ~~wherein the~~ scales of the observation areas of ~~said the~~ image measuring devices ~~are calibrated by means of~~ using one or more calibration objects placed in ~~the an~~ observation area of the image measuring devices, to correct ~~the a~~ perspective error caused by ~~the a~~ position between ~~said the~~ measuring devices and ~~the an~~ object monitored by ~~them~~ the measuring devices, wherein and that

the calibration scales of the observation areas of ~~said the~~ imaging measuring devices are arranged to be comparable with each other.

14. (Currently Amended) The method according to claim 13, wherein ~~in the cali-~~ bration situation, said during calibrating, the one or more calibration objects are arranged onto or in place of the fibre web and/or ~~means relating to the processing of the device that~~ processes the fibre web, in the observation area of the imaging measuring devices.

15. (Currently Amended) The method according to claim 14, wherein ~~said the~~ one or more calibration objects are formed of single point-like objects, objects resembling a measuring tape or a table, and/or a net-like or square-ruled structures.

16. (Currently Amended) The method according to claim 14, wherein ~~said the~~ one or more calibration objects are formed of a solid material.

17. (Currently Amended) The method according to claim 14, wherein ~~said the~~ one or more calibration objects are formed of light points or lighting patterns reflected on the object.

18. (Currently Amended) The method according to claim 13, wherein ~~the~~ a scale of ~~the an~~ observation area of ~~said~~ at least one imaging measuring device of the image measuring devices is calibrated in ~~the a~~ transverse direction of the fibre web.

19. (Currently Amended) The method according to claim 13, wherein ~~the a~~ scale of ~~the an~~ observation area of ~~said~~ at least one imaging measuring device of the image measuring devices is calibrated in ~~the a~~ machine direction.

20. (Currently Amended) The method according to claim 13, wherein in ~~the~~ different measuring positions, ~~the a~~ drying shrinkage of the fibre web in ~~the a~~ transverse direction and/or edge cutting of the fibre web) and/or a displacement of the fibre web in the transverse direction are taken into account.

21. (Currently Amended) The method according to claim 13, wherein the imaging measuring devices used is ~~a~~ are cameras, ~~preferably a camera of the visible wavelength range or a thermal camera operating in the infrared range.~~

22. (Currently Amended) The method according to claim 13, wherein the imaging measuring devices used is ~~an~~ are imaging measuring devices based on spectral resolution, ~~for example an imaging spectrometer.~~

23. (Currently Amended) The method according to claim 13, wherein information recorded in an imaging manner is produced substantially over ~~the a~~ whole production width of the fibre web or on only a part of the production width of the fibre web.

24. (Currently Amended) The method according to claim 13, wherein ~~by means of the method,~~ information measured in an imaging manner and having a calibrated scale is

subjected to automatic pattern recognition and/or image processing, to detect a defect or a phenomenon in the fibre web under examination ~~or in a means relating to the processing of~~ and/or the device that processes the fibre web.

25. (New) The method according to claim 13, wherein the device that processes the fibre web are wires, felts, rolls or reels.

26. (New) The method according to claim 21, wherein the cameras are cameras of a visible wavelength range or thermal cameras operating in an infrared range.

27. (New) The method according to claim 22, wherein the imaging measuring devices are imaging spectrometers.